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Technical and Test Institute for Construction Prague, SOE

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Certification schemes TZUS-1a (based on the scheme 1A by ČSN EN ISO/IEC 17067:2014,
based on testing)
Branch 0800 – FIRE SAFETY

REACTION TO FIRE
CLASSIFICATION REPORT

in accordance with EN 13501-1:2018

080-027216

Trade name:

ARCHISONIC - GRAPE - 540

Type/ variation: **12.0 mm**

carried out on the basis of test reports No. AJFS2409010971FF

Order No: Z 080260006
Classification report No.: PKP – 26 - 016
Applicant: IMPACT ACOUSTIC AG
Bodenhof 4, 6014 Luzern, Switzerland
Manufacturer: IMPACT ACOUSTIC AG
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1. Introduction

- 1.1. This Classification Report determines the classification of a product called **ARCHISONIC - GRAPE - 540** in accordance with the procedures in EN 13501-1:2018.

2. Normative backgrounds:

- EN 13501-1: Fire classification of construction products and building structures - Part 1: Classification according to the results of reaction to fire tests (2018)
- ČSN EN ISO 11925-2: Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test (12/2023)
- ČSN EN 13823+A1: Reaction to fire tests for building products – Building products excluding floorings exposed to the thermal attack by a single burning item (10/2022)
- ČSN EN 13238: Reaction to fire tests for building products – Conditioning procedures and general rules for selectin of substrates (6/2010)
- ČSN P CEN/TS 15117: Guidance on direct and extended application (2/2006)

3. Description of the construction product

3.1. Generally

Product – **ARCHISONIC - GRAPE - 540** is defined according to the relevant technical data.

3.2. Description

Acoustic panel as a decorative sheet.

Composition: Pet non-woven 60% post-consumer content

Mass per unit area: 2.4 kg/m² (± 10%)

Product thickness: 12.0 mm

Colour: Grape

Exposed surface: Any surface

Article Number: 812.10.12.540.00

Intended use: Application on walls and ceilings for interior or exterior use

The product is fully described in the test reports in support of classification listed in clause 4.

4. Protocols and results used for this classification

4.1. Protocols

Nr.	Name of the laboratory	Name of the customer	Protocol No. (Date of issue)	Test method and issue date Application rules area and date
1	SGS-CSTC Standards Technical Services Co., Ltd. Anji Branch	IMPACT ACOUSTIC AG BODENHOF 4, 6014 LUZERN, SWITZERLAND	AJFS2409010971FF (2024-10-18)	EN ISO 11925-2 EN 13823+A1



4.2. Test results

	Test method	Parameter	Number of tests	Results	
				Continuous parameter – average	Compliance the parameters
1	EN 13823+A1	FIGRA _{0,2 MJ} [W/s]	3	13.7	≤ 120 W/s (B) meets
		FIGRA _{0,4 MJ} [W/s]		13.7	not applied
		LFS < edge of specimen		< edge of specimen	meets
		THR _{600s} [MJ]		1.1	≤ 7,5 MJ (B) meets
		SMOGRA [m ² /s ²]		4.6	≤ 30 m ² /s ² (s1) meets
		TPS _{600s} [m ²]		17.2	≤ 50 m ² (s1) meets
		Flaming droplets / particles		No flaming droplets / particles	(d0) meets
1	EN ISO 11925-2 exposure 30 s exposure of the area and the edge	F _s ≤ 150 mm during 60 s	12	yes	meets (B)
		Ignition of filter paper		no	not classified

5. Classification and area of direct application

5.1. Classification links

This classification was carried out in accordance with EN 13501-1:2018.

5.2. Classification

The product **ARCHISONIC - GRAPE - 540** is classified according to their reaction to fire:

B

The additional classification in relation to smoke production is:

s1

Additional classification according to burning droplets / particles:

d0

Modification of the reaction to fire classification for construction products excluding floor coverings and thermal insulating pipe products:

Fire behavior		Smoke production		Burning particles	
B		s	1	d	0

Reaction to fire classification: B-s1, d0

5.3. Application area

This classification applies to the following parameters:

- the product described in paragraph 3

This classification applies to the following end use applications:

- application on walls and ceilings for interior or exterior use.



Details of mounting and fixing:

- with all substrates of reaction to fire class A1 or A2
- with mechanically fixing
- no joints

6. Restrictions

This classification report is valid, provided that the technical specifications of the product or standard provisions will not be changed.


This classification report is only valid as a whole, and each page must be provided by the identification number of the classification report, page number of the total number of pages and the stamp of the contractor.

This classification report does not replace any type approval or product certification.



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Prague, 19.01.2026

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